

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

9. (Amended) An isolated polynucleotide that encodes the polypeptide [according to claim 1] comprising residues 2 to 129 of SEQ ID NO:2.

10. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 6] selected from the group consisting of:

- a) polypeptides comprising residues 1 to 297 of SEQ ID NO:27;
- b) polypeptides comprising residues 1 to 267 of SEQ ID NO:29; and
- c) polypeptides comprising residues 1 to 299 of SEQ ID NO:35.

11. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 7] comprising residues 1 to 173 of SEQ ID NO:38.

12. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 8] selected from the group consisting of:

- a) polypeptide molecules comprising residues 1 to 147 of SEQ ID NO:38;
- b) polypeptide molecules comprising residues 1 to 154 of SEQ ID NO:38;
- c) polypeptide molecules comprising residues 1 to 163 of SEQ ID NO:38; and
- d) polypeptide molecules comprising residues 1 to 165 of SEQ ID NO:38.

13. (Amended) An expression vector comprising the following operably linked elements:

- a) a transcription promoter;
- b) a DNA segment wherein the DNA segment is a polynucleotide molecule encoding the polypeptide molecule of claim [3]9; and
- d) a transcription terminator.

35. (Amended) An isolated polynucleotide that encodes the polypeptide [according to claim 27] consisting of residues 2 to 129 of SEQ ID NO:2.

36. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 32] selected from the group consisting of:

a) polypeptides consisting of residues 1 to 297 of SEQ ID NO:27;

b) polypeptides consisting of residues 1 to 267 of SEQ ID NO:29;

and

c) polypeptides consisting of residues 1 to 299 of SEQ ID NO:35.

37. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 33] consisting of residues 1 to 173 of SEQ ID NO:38.

38. (Amended) [A] An isolated polynucleotide that encodes the polypeptide [according to claim 34] selected from the group consisting of:

a) polypeptide molecules consisting of residues 1 to 147 of SEQ ID NO:38;

b) polypeptide molecules consisting of residues 1 to 154 of SEQ ID NO:38;

c) polypeptide molecules consisting of residues 1 to 163 of SEQ ID NO:38; and

d) polypeptide molecules consisting of residues 1 to 165 of SEQ ID NO:38.